Options Parameter Parameter Parameter Parameter Parameter Variable Variable Variable Variable Variable Title: Commonwe... Initiative Id: rx_gain Id: tx_gain Id: fft_len Id: samp_rate Id: center_freq Id: pilot_carriers Id: pilot_symbols Id: sync_word1 Id: sync_word2 Id: occupied_carriers Author: Dr. Joao Santos Value: 1 Value: 700m Value: 64 Value: 2M **Value:** 5.3G **Value:** [-26, -2...24, 25, 26] **Value:** (1, 1, 1, -1) **Value:** [0., 0., 0., 0., 0... Value: [0j, 0j, 0j, 0j, 0j. **Value:** (-21, -7, 7, 21) Output Language: Python Type: Float Type: Float Type: Int **Generate Options: QT GUI OFDM Transmitter** FFT Length: 64 **Cyclic Prefix Length: 16** Length Tag Name: packet_len **Channel Model** Occupied Carriers: [-..., 26] Noise Voltage: 0 **Pilot Carriers:** (-2... 7, 21) **Stream to Tagged Stream Multiply Const** Frequency Offset: 0 **Pilot Symbols:** (1, 1, 1, -1) Packet Length: 200 Constant: 100m Epsilon: 1 **Sync Word 1:** sync word1 Length Tag Key: packet_len **Taps:** 1+1j **Sync Word 2:** sync_word2 **Seed:** 0 **Header Modulation: BPSK Block Tag Propagation:** No **Payload Modulation: BPSK Random Source** Rolloff length (samples): 0 Minimum: 0 **Log Debug Info:** No **Beam Mapper** Maximum: 2 TX MHU: MHU1 **Num Samples:** 1k RX MHU: MHU2 Repeat: Yes **Backoff Duration:** 2u gpio_cmd Pulse Duration: 2u **Beam Sweep GPIO Config Path:** ...uv3.json Standalone: False **Debug:** True **TX Sweep Pattern:** 1,..., 6, 7 beam_id **Variable** RX Sweep Pattern: rx_beams Throttle **Id:** tx beams Beam Period: 100m trigger • Sample Rate: 2M IA Interval: 1 **Value:** 1, 2, 3, 4, 5, 6, 7 **Rate Measure Debug:** True Measurement Log File:log beam_id **Measurement Period:** 1m QT GUI Waterfall Sink **Debug:** False **FFT Size:** 1.024k trigger **Variable** Center Frequency (Hz): 5.3G **Id:** rx beams Bandwidth (Hz): 4M **Beam Selector Value:** [1,2,3,4,5,6,7,8,9] **OFDM Receiver Beam Pair Log File:** /...0.log trigger FFT Length: 64 -- sweep Beam KPI Log File: /h...0.log **Cyclic Prefix Length:** 16 Threshold: 0 kpi in Packet Length Tag Key: ...len **Parameter Parameter Debug:** True **Occupied Carriers:** [-..., 26] Id: file_suffix Id: meas_period **Pilot Carriers:** (-2... 7, 21) Value: angle_190 Value: 1m **Pilot Symbols:** (1, 1, 1, -1) Type: String Type: Float **Sync Word 1:** sync_word1 **Sync Word 2:** sync word2 **Header Modulation: BPSK Parameter Parameter KPI Aggregator Payload Modulation: BPSK** Id: ia_interval Id: beam_period Beam Log File: /hom...190.log trigger -Log Debug Info: No Measurement Log File:log Value: 100m Value: 1 Type: Float Standalone: False **Type:** Float beam id **RSS Calculator Measurement Period:** 1m Sensitivity: -90 Length: 1k **Debug:** True Max Iter: 4k